SIEMENS

Digital Multileaf Collimator G2107 DB

RX

Description of Function

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RX74-021.041.01.01.02 English

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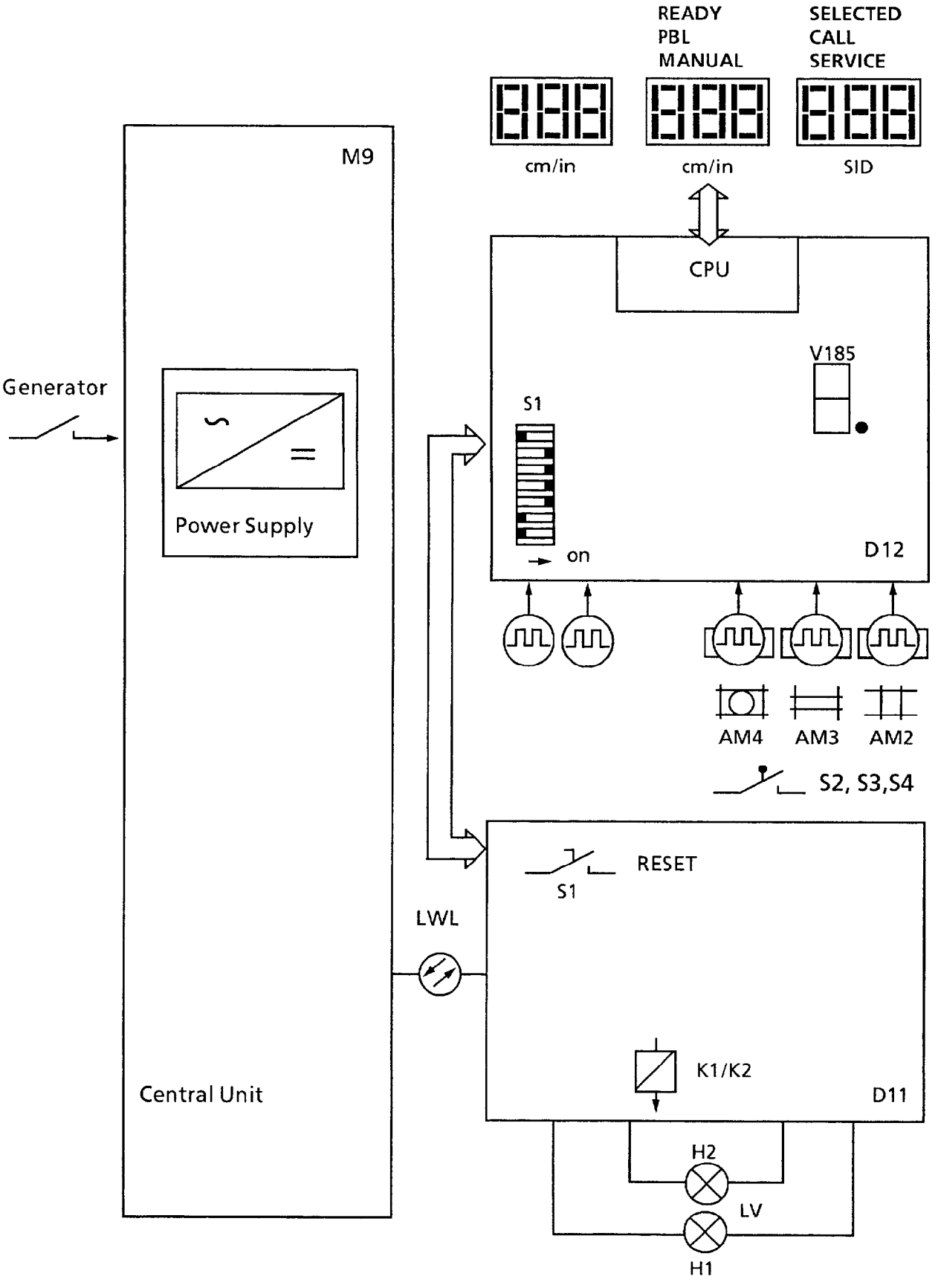

READY
PBL
MANUAL
SELECTED
CALL
SERVICE
cm/in
cm/in
SID
M9
CPU
V185
Generator
S1
Power Supply
on
D12
AM4
AM3
AM2
S2, S3,S4
RESET
S1
LWL
K1/K2
D11
Central Unit
H2
LV
H1

Control of multileaf collimator

When the system is switched on, the multileaf collimators starts with an initialization routine. The following functions are checked during initialization:

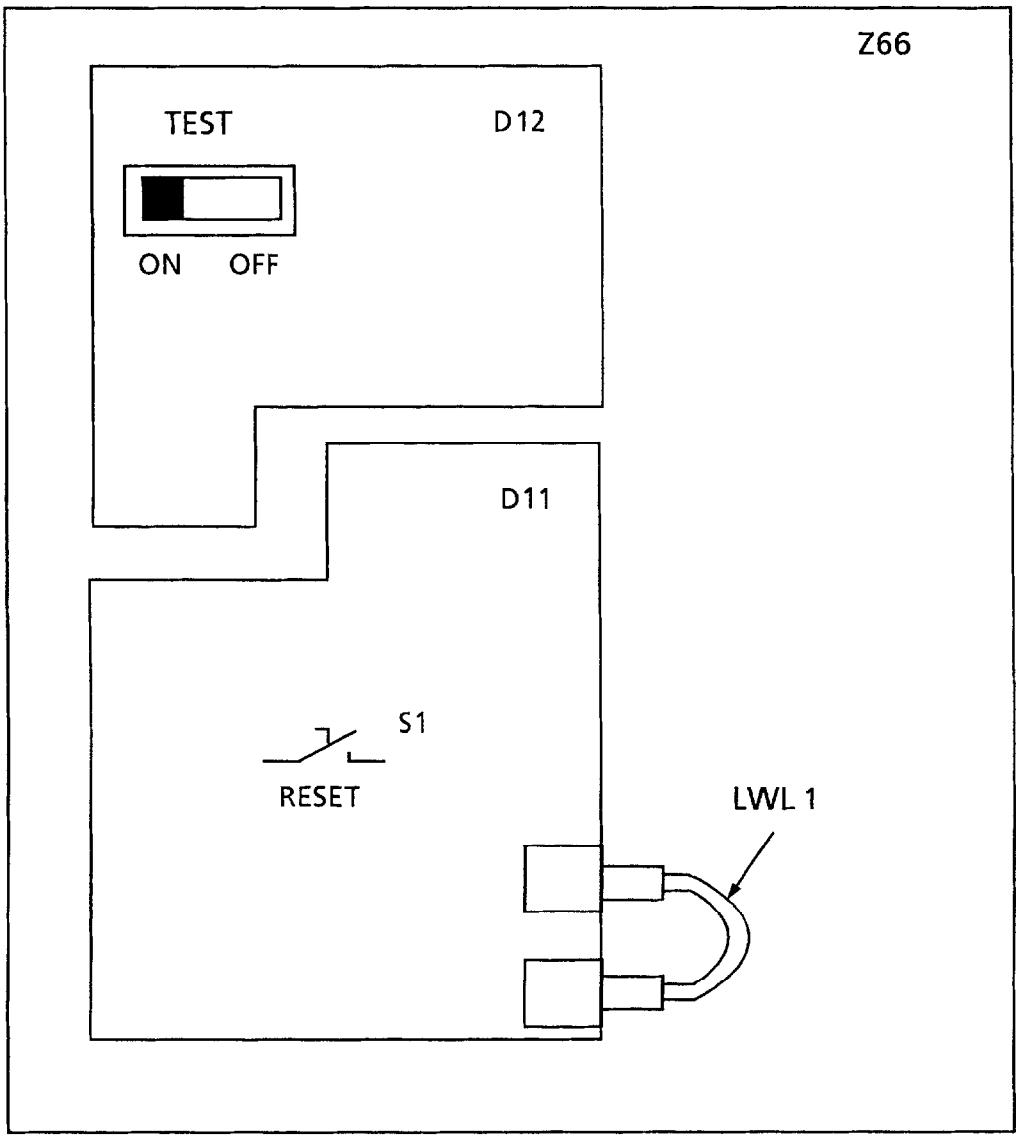
- Function of the stepping motors
- Function of the search run switches S2, S3, S4
- Zero backlash of the mechanical system
- FOC (fiber-optic cable) connection to central control unit M9

In the servicemode, operating errors of the multileaf collimator are shown on display V185, board D12.

After 50 exposures or 3 hours, the multileaf collimator performs in each case a new self-calibration with the aid of a search run.

The search run switches S2, S3, S4 are operated twice.

Each time this search run has been terminated, the multileaf collimator returns into its initial position - i.e. its position prior to the search run.


Z66
TEST
D12
ON
OFF
D11
S1
RESET
LWL 1

Self-test of collimator

- Remove the FOC from the central control unit.
- Actuate the DIP switches on board D12 and the RESET button on board D11.

The multileaf collimator executes the self-test routine.

The following functions are checked during this routine:

- Functions of transmitter and receiver FOC transmission D11
- Functions of the multileaf collimator lamps
- Initialization S2; S3; S4
- Function of all displays
- Function of the control buttons
- Function of the mercury switches
- Encoder function
- Function of the error display V185

All other functions of the multileaf collimator have already been checked during the initialization routine.

Operation

1. After the self-test: Reset the DIP switch D12 to OFF.
2. Reconnect the FOC to the central control unit.
3. Switch the system OFF and then ON again.

TDF 1/Bogenschütz
TD RX 1/Hoffmann
TDU 3/Regus-Sommerer